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#### INTRODUCTION

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- Control and parameter identification problems, with emphasis on effective numerical methods;
- Computational problems in engineering and the physical sciences, particularly fluid dynamics, acoustics, structural analysis, and chemistry;
- Computer systems and software, especially vector and parallel computers, microcomputers, and data management.

ICASE reports are considered to be primarily preprints of manuscripts that have been submitted to appropriate research journals or which are to appear in conference proceedings. In the next section, a complete listing of ICASE reports for the calendar years 1975 through December 1988 are given. The final section contains journal and conference proceedings references for older reports.

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Maday, Yvon and Eitan Tadmor: Analysis of the spectral vanishing viscosity method for periodic conservation laws. ICASE Report No. 88-4, January 11, 1988, 36 pages. To appear in SIAM J. Numer. Anal.

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